

vita espTM II

Contamination Control Unit

Vita delivers ESP • Electrophysical Separation Process



Certified



Corporation

This company meets the
highest standards of social
and environmental impact

Maximizing Asset Life Through Technology

CLEAN YOUR SYSTEMS OF VARNISH & EXTEND THE LIFE OF YOUR LUBRICANTS

LATIN FOR “LIFE”, VITA WILL HELP INCREASE THE LIFE OF YOUR FLUID

Fluitec's **Vita ESP™ II** System provides you with maximum flexibility to control contaminants in your critical lubrication systems. The Vita ESP II allows you to remove the most damaging types of contaminants in your fluid.

VITA IS VERSATILE

Multi-Purpose Filter housing can accommodate ESP, ENDURE IX and Depth Media elements. The system can be easily configured depending on your oil's condition and application. Can also accommodate other Fluitec filtration technologies such as particulate, water adsorption and Spark-Free filters.

SOFT CONTAMINANT REMOVAL

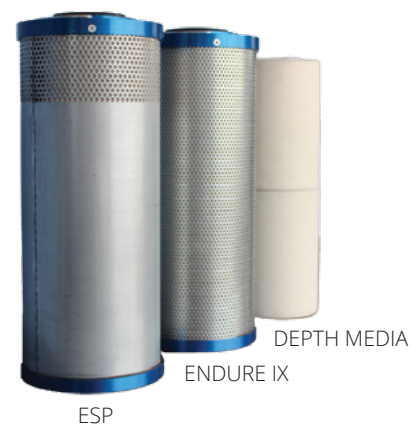
Mitigate the damaging effects of Sludge & Varnish using Fluitec's patent-pending Electrophysical Separation Process™ (ESP) technology. Proven technology on hundreds of installations across 5 continents.

HARD CONTAMINANT REMOVAL

Efficiently remove dirt, debris and wear metals using high-efficiency Depth Media down to 3 microns. Will help maintain excellent system cleanliness.

PHOSPHATE ESTER CONTAMINANT REMOVAL

Our ENDURE IX technology removes all phosphate ester fluid degradation products, such as acids, gels and varnish.



The reliable operation of our turbines and compressors is of critical importance to Siemens. Providing our customers with Fluitec's ESP technology allows them to extend the life of their lubricant assets while improving plant efficiencies and uptime.

—SIEMENS AG ENERGY

Vita ESP II MECHANICAL COMPONENTS

Vessel can support ESP, ENDURE,
and Depth Media technologies

Crane compatible

Rated for Indoor and Outdoor use

Easy Spin-On
post filter

Stainless Steel
Plumbing -
Phosphate
Ester
compatible

Small footprint

Easy mobility with
4 caster wheels

4 sampling ports

For best overall performance and a Fill-For-Life lubrication system, or to get the most out of cleaning your system, we recommend ESP and our DECON product line.

decon™

Dissolves varnish and organic deposits and offers long-term protection

decon ao™

Eliminates deposits and re-balances antioxidants



VITA & ESP IMPROVES RELIABILITY AND SLASHES O&M COSTS

APPLICATION Vita ESP + Depth Media

Clean Soft and Hard Contaminants from Your Lubricating System

MODEL	FEATURES	DESCRIPTION	ADVANTAGES
VITA ESP II	ESP, ENDURE and Depth Media Element inserts for small to medium- sized applications.	Contamination control system for varnish mitigation and particulate removal in rotating equipment with reservoirs up to 3500 US gal. (≈ 13000 L). Contamination control system for acid scavenging and all degradation products in Phosphate Ester fluid applications with reservoirs up to 400 gal (1500 L)	Uses easy-to-replace element inserts designed for small to medium-sized reservoirs. Lower cost of ownership with more efficient replacement elements, save money on shipping and more environmentally friendly. Versatile: Can use ESP, ENDURE and Depth Media
VITA ESP II-XP	ATEX/IECEx Certified, Explosion-Proof rating	Contamination control system for varnish mitigation and particulate removal in rotating equipment with reservoirs up to 3500 US gal. (≈ 13000 L). Contamination control system for acid scavenging and all degradation products in Phosphate Ester fluid applications with reservoirs up to 400 gal (1500 L)	Uses easy-to-replace element inserts designed for small to medium-sized reservoirs. Lower cost of ownership with more efficient replacement elements, save money on shipping and more environmentally friendly. small footprint and ATEX explosion proof certified. Versatile: Can use ESP, ENDURE and Depth Media
VITA ESP II-Pn	Pneumatic, 'Air Driven' motor, no electrics.	Contamination control system for varnish mitigation and particulate removal in rotating equipment with reservoirs up to 3500 US gal. (≈ 13000 L). Contamination control system for acid scavenging and all degradation products in Phosphate Ester fluid applications with reservoirs up to 400 gal (1500 L)	Uses easy-to-replace element inserts designed for small to medium-sized reservoirs. Lower cost of ownership with more efficient replacement elements, save money on shipping and more environmentally friendly. No electric components, pneumatic pump powers the motor, great for hazardous environments. Only compressed air is needed Versatile: Can use ESP, ENDURE and Depth Media

TECHNICAL DATA

Purpose	Contamination Control System, Varnish Mitigation
Application	Lubrication reservoirs less than 3500 gals (≈13000 L)
Inlet Connections/	
Outlet Connections	1/2 in (1.27cm) FNPT (BSPT 1/2") + metric fittings available
Flow Rate	Flow rate varies with installed filter combinations
ISO Viscosity Range	ISO 32 - 150
Fluid Temp Range	86 - 200°F (30 - 90°C)
Ambient Air Temp	23 - 122°F (-5 - 50° C)
Vita ESP II-XP	CE, II 2G IIC T3
Vita ESP II-Pn	Pneumatic: Compressed Air 5-25 CFM (0.14-0.7m3/min) IECEx II 3G Ex de IIB T4 Gc IECEx II 3G Ex c IIB T4 Gc Class I Div 2 Gas Groups C & D T4

DIMENSIONS: l x w x h

Vita ESP II	20 in (51 cm) x 20 in (51 cm) x 40 in (102 cm)
Vita ESP II FILTER CARTRIDGE	7 in (18 cm) x 7 in (18 cm) x 18 in (46 cm)

WEIGHTS

Shipping weights vary with product model and filtration options. All weights dry and include media. Approx. 160 lbs (73 kg)

MOTOR

MODEL	MOTOR FLA
Vita ESP II	6A @110-120V, 60Hz, 1ø (110V, 50Hz, 1ø) 3A @ 220-240V, 60Hz, 1ø (220V, 50Hz, 1ø)
Vita ESP II-XP	0.7A@ 380V, 50Hz, 3ø
Vita ESP II-Pn	Equipped with filter, regulator and lubricator

POWER SUPPLY

PHASE	FREQUENCY	VOLTAGE
1	50Hz	110V
1	60Hz	110V - 120V
1	50Hz	220V
1	60Hz	220V - 240V

OPTIONS

Pan float sensor (for leak detection)

Specifications concerning products and applications

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